

**INFORMATION
DISCLOSURE
STATEMENT**

Atty. Docket No.: 275.0009 0101

Serial No.: 10/780,150

Applicant(s): MUNN et al.

Confirmation No.: 1273

Application Filing Date: 02/17/04

Group: ~~1645~~ 1614

Information Disclosure Statement mailed:

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
/ZVI/	5,478,556	12/26/95	Elliott et al.			
	5,837,231	11/17/98	Low et al.			
	5,861,159	01/19/99	Pardoll et al.			
	6,251,399	06/26/01	Diamond et al.			
	6,395,876 B1	05/28/02	Munn et al.			
	6,451,840	09/17/02	Munn et al.			
	6,482,416	11/19/02	Munn et al.			
	2002 0155104 A1	10/24/02	Munn et al.			
✓	2002 0114784 A1	08/22/02	Li et al.			

FOREIGN PATENT DOCUMENTS

Examiner Initial	Copy Enclosed	Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
/ZVI/	✓	99/29852	06/17/99	WO				
/ZVI/	✓	99/29310	06/17/99	WO				

OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

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/ZVI/	✓	Alberti-Giani, "Regulation of the Kynurenine Metabolic Pathway by Interferon- γ in Murine Cloned Macrophages and Microglial Cells," <i>J. Neurochem</i> , 1996;66:996-1004.
/ZVI/	✓	Alexander et al., "Indoleamine 2,3-Dioxygenase Expression in Transplanted NOD Islets Prolongs Graft Survival After Adoptive Transfer of Diabetogenic Splenocytes," <i>Diabetes</i> , 2002;51:356-365.
/ZVI/	✓	Almand et al., "Clinical Significance of Defective Dendritic Cell Differentiation in Cancer," <i>Clin. Cancer Res.</i> , 2000;6:1755-1766.
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/ZV/	✓	Aune et al., "Inhibition of Tumor Cell Growth by Interferon- γ Is Mediated by Two Distinct Mechanisms Dependent upon Oxygen Tension: Induction of Tryptophan Degradation and Depletion of Intracellular Nicotinamide Adenine Dinucleotide," <i>J Clin Invest</i> , 1989;84:863-875.
	✓	Azuma, et al., "B70 antigen is a second ligand for CTLA-4 and CD28," <i>Nature</i> 1993;366:76-79.
	✓	Ben-Efraim, "Immunomodulating Anticancer Alkylating Drugs: Targets and Mechanisms of Activity," <i>Current Drug Targets</i> , 2001;2:197-212.
	✓	Benson et al., "T-cell activation and receptor downmodulation precede deletion induced by mucosally administered antigen," <i>J. Clin. Invest.</i> , 2000;106:1031-1038.
	✓	Bjorck et al., "Cutting Edge: CD19+ Pro-B Cells Can Give Rise to Dendritic Cells <i>In Vitro</i> ," <i>J. Immunol.</i> , 1998;161:5795-5799.
	✓	Borrello et al., "A Universal Granulocyte-Macrophage Colony-Stimulating Factor-Producing Bystander Cell Line for Use in the Formulation of Autologous Tumor Cell-Based Vaccine," <i>Hum. Gene. Ther.</i> , 1999;10:1983-1991.
	✓	Bronte et al., "Unopposed Production of Granulocyte-Macrophage Colony-Stimulating Factor by Tumors Inhibits CD8+ T Cell Responses by Dysregulating Antigen-Presenting Cell Maturation," <i>J. Immunol.</i> , 1999;162:5728-5737.
	✓	Carlin et al., "Interferon-Induced Indoleamine 2,3-Dioxygenase Activity in Human Mononuclear Phagocytes," <i>J. Leuk. Biol.</i> 1989;45:29-34.
	✓	Cella et al., "Plasmacytoid monocytes migrate to inflamed lymph nodes and produce large amounts of type I interferon," <i>Nat. Med.</i> , 1999;5:919-923.
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↓	✓	Chen et al., "The Role of Tumor Necrosis Factor α in Modulating the Quantity of Peripheral Blood-Derived, Cytokine-Driven Human Dendritic Cells and Its Role in Enhancing the Quality of Dendritic Cell Function in Presenting Soluble Antigens to CD4+ T Cells in Vitro," <i>Blood</i> , 1998;91:4652-4661.

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/ZVI/	✓	Cochran et al., "Sentinel Lymph Nodes Show Profound Downregulation of Antigen-Presenting Cells of the Pracortex: Implications for Tumor Biology and Treatment," <i>Mod. Pathol.</i> , 2001;14:604-608.
/ZVI/	✓	Colasante et al., "Role of Cytokines in Distribution and Differentiation of Dendritic Cell/Langerhans' Cell Lineage in Human Primary Carcinomas of the Lung," <i>Hum. Pathol.</i> , 1995;26:866-872.
/ZVI/	✓	Corbett et al., "Response of Transplantable Tumors of Mice to Anthracenedione Derivatives Alone and in Combination with Clinically Useful Agents," <i>Cancer Treatment Reports</i> , 1982;66:1187-1200.
/ZVI/	✓	Corcoran et al., "The lymphoid Past of Mouse Plasmacytoid Cells and Thymic Dendritic Cells," <i>J. of Immunology</i> , 2003;170:4926-4932.
/ZVI/	✓	Cuenca et al., "Extra-Lymphatic Solid Tumor Growth Is Not Immunologically Ignored and Results in Early Induction of Antigen-Specific T-Cell Anergy: Dominant Role of Cross-Tolerance to Tumor Antigens," <i>Cancer Res.</i> , 2003;63:9007-9015.
/ZVI/	✓	Curreli et al., "Human Primary CD4+ T Cells Activated in the Presence of IFN- α 2b Express Functional Indoleamine 2,3-Dioxygenase," <i>J. Interferon Cytokine Res.</i> , 2001;21:431-437.
/ZVI/	✓	Dai et al., "Molecular Cloning, sequencing and expression of human interferon-gamma-inducible indoleamine 2,3-dioxygenase cDNA," <i>Biochem. Biophys. Res. Commun.</i> , 1990;168:1-8 GenBank Accession Number M34455.
/ZVI/	✓	Daubener, "Establishment of T-helper type 1- and T-helper type 2-like human <i>Toxoplasma</i> antigen-specific T-cell clones," <i>Immunol.</i> 1995;86:79-84.
/ZVI/	✓	Daubener, et al., "Anti-parasitic effector mechanisms in human brain tumor cells: role of interferon- γ and tumor necrosis factor- α ," <i>Eur. J. Immunol.</i> 1996;26:487-492.
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/ZVI/	✓	Dudley et al., "Cancer Regression and Autoimmunity in Patients After Clonal Repopulation with Antitumor Lymphocytes," <i>Science</i> , 2002;298:850-854. Supplemental On-line Material can be retrieved from www.sciencemag.org/cgi/content/full/1076514/DC1
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/ZVI/	✓	Fallarino et al., "Functional expression of indoleamine 2,3-dioxygenase by murine CD8 α ⁺ dendritic cells," <i>Int. Immunol.</i> , 2002;14:65-68.
/ZVI/	✓	Fallarino et al., "Modulation of tryptophan catabolism by regulator T cells," <i>Nat. Immunol.</i> , 2003;4:1206-1212. Epub 2003, Oct. 26.
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/ZVI/	✓	Feng et al., "Interferon γ -resistant mutants are defective in the induction of indoleamine 2,3-dioxygenase," <i>Proc. Natl. Acad. Sci., USA</i> , 1989;86:7144-7148.
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/ZVI/	✓	Grohmann et al., "IFN- γ Inhibits Presentation of a Tumor/Self Peptide by CD8 α ⁺ Dendritic Cells Via Potentiation of the CD8 α ⁺ Subset ¹ ," <i>J. Immunol.</i> , 2000;165:1357-1363.
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/ZVI/	✓	Grohmann et al., "CTLA-4-Ig regulates tryptophan catabolism <i>in vivo</i> ," <i>Nature Immunology</i> 2002;3:1097-1101.
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/ZVI/	✓	Grohmann et al., "Tolerance, Dcs and tryptophan: much ado about IDO," <i>Trends in Immunology</i> 2003;24:242-248.
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/ZVI/	✓	Hashimoto et al., "Determination of free amino acid enantiomers in rat brain and serum by high-performance liquid chromatography after derivatization with N-tert.-butyloxycarbonyl-L-cysteine and o-phthalaldehyde," <i>J. Chromatography</i> 1992;582:41-48.
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/ZVI/	✓	Huang et al., "Role of Bone Marrow-Derived Cells in Presenting MHC Class I-Restricted Tumor Antigens," <i>Science</i> , 1994;264:961-965.
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/ZVI/	✓	Koide, "The Signal Transduction Mechanism Responsible for Gamma Interferon-Induced Indoleamine 2,3-Dioxygenase Gene Expression," <i>Infect. Immun.</i> 1994;62:948-955.
/ZVI/	✓	Konan, "Importance of the Two Interferon-stimulated Response Element (ISRE) Sequences in the Regulation of the Human Indoleamine 2,3-Dioxygenase Gene," <i>J Biol Chem</i> , 1996;271:19140-19145.
/ZVI/	✓	Konieczny et al., "IFN- γ Is Critical for Long-Term Allograft Survival Induced by Blocking the CD28 and CD40 Ligand T Cell Costimulation Pathways ¹ ," <i>J. Immunol.</i> , 1998;160:2059.
/ZVI/	✓	Kotera et al., "Comparative Analysis of Necrotic and Apoptotic Tumor Cells As a Source of Antigen(s) in Dendritic Cell-based Immunization ¹ ," <i>Cancer Research</i> 2001;61(22):8105-8109.
/ZVI/	✓	Kudo et al., "Human placental indoleamine 2,3-dioxygenase: cellular localization and characterization of an enzyme preventing fetal rejection," <i>Biochem. Biophys. Acta</i> , 2000;1500:119-124.
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/ZVI/	✓	Lee et al., "Tryptophan deprivation sensitizes activated T cells to apoptosis prior to cell division," <i>Immunology</i> 2002;107:452-460.
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/ZVI/	✓	Mackensen, et al., "Delineation of the Dendritic Cell Lineage by Generating Large Numbers of Birbeck Granule-Positive Langerhans Cells from Human Peripheral Blood Progenitor Cells in Vitro," <i>Blood</i> 1995;86:2699-2707.

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/ZV/	✓	Mellor et al., "Tryptophan catabolism and regulation of adaptive immunity," <i>J. Immunol.</i> 2003;170:5809-5813.
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	Applicant(s): MUNN et al.	Confirmation No.: 1273
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OMB No. 0651-0011

Page 1 of 1

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	Applicant(s): MUNN et al.	Confirmation No.: 1273
	Application Filing Date: 02/17/04	Group: 1645 1614
	Information Disclosure Statement mailed: May 24, 2005	

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OMB No. 0651-0011

Page 1 of 1

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	Application Filing Date: 02/17/04	Group: 1614
	Information Disclosure Statement mailed: November 12, 2005	

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OMB No. 0651-0011

Page 1 of 1

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	Applicant(s): MUNN et al.	Confirmation No.: 1273
	Application Filing Date: 02/17/04	Group: 1645 1614
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Page 1 of 1

INFORMATION DISCLOSURE STATEMENT	Atty. Docket No.: 275.0009 0101	Serial No.: 10/780,150
	Applicant(s): MUNN et al.	Confirmation No.: 1273
	Application Filing Date: 02/17/04	Group: 1614
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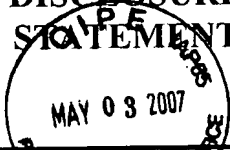
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INFORMATION DISCLOSURE STATEMENT	Atty. Docket No.: 275.0009 0101	Serial No.: 10/780,150
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Examiner Initial	Copy Enclosed	Document Description
/ZV/	✓	Peterson et al., "Evaluation of Functionalized Tryptophan Derivatives and Related Compounds as Competitive Inhibitors of Indoleamine 2,3-Dioxygenase", <i>Med. Chem. Res.</i> , 3:531-544 (1994).
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